

Set	Items	Description
S1	37	AU=(RUSH G? OR RUSH, G?)
S2	5	AU=(KIEFUS H? OR KIEFUS, H?)
S3	5	S1 AND S2
S4	1	(S1 OR S2) AND IC=G09G
S5	5	S3 OR S4
S6	5	IDPAT (sorted in duplicate/non-duplicate order)
S7	3	IDPAT (primary/non-duplicate records only)

File 344:Chinese Patents Abs Aug 1985-2005/May
(c) 2005 European Patent Office

File 347:JAPIO Nov 1976-2005/Apr(Updated 050801)
(c) 2005 JPO & JAPIO

File 348:EUROPEAN PATENTS 1978-2005/Sep W02
(c) 2005 European Patent Office

File 349:PCT FULLTEXT 1979-2005/UB=20050915,UT=20050908
(c) 2005 WIPO/Univentio

File 350:Derwent WPIX 1963-2005/UD,UM &UP=200559
(c) 2005 Thomson Derwent

7/5/2 (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2005 Thomson Derwent. All rts. reserv.

013499881 **Image available**
WPI Acc No: 2000-671822/200065
XRPX Acc No: N00-497989

**Manufacturing requirements planning system has material production
schedule data set generating unit that ensures necessity for netting unit
to access data from item supply data set**

Patent Assignee: MADE2MANAGE SYSTEMS INC (MADE-N)

Inventor: KIEFUS H J ; RUSH G W

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6119102	A	20000912	US 9615975	A	19960415	200065 B
			US 97787253	A	19970124	

Priority Applications (No Type Date): US 9615975 P 19960415; US 97787253 A
19970124

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 6119102	A		31	G06F-017/60	Provisional application US 9615975

Abstract (Basic): US 6119102 A

NOVELTY - A netting unit performs time-phase manufacturing requirements planning (MRP) netting on a master production schedule (MPS) data set to generate MRP action messages. An MPS data set generating unit ensures the necessity for the netting unit to access data from an item supply data set.

DETAILED DESCRIPTION - The MPS data set generating unit uses data from an item demand data set and the item supply data set to create a MPS data set which includes item supply information for items for which there is not independent demand. A display unit enables viewing of the data in the records in the MPS data set for which a pass-through flag has not been set prior to performing materials requirement planning. An INDEPENDENT CLAIM is also included for a MPS system.

USE - For generating schedule of net requirements and planned order releases for component parts and materials.

ADVANTAGE - Recalculates item low level codes in real time whenever bill of material referencing the item is created or modified, thus eliminating need for low level codes to be calculated during MRP generation.

DESCRIPTION OF DRAWING(S) - The figure shows an overview of the data files and processing sequence of an improved MRP system.

pp; 31 DwgNo 2/18

Title Terms: MANUFACTURE; REQUIRE; PLAN; SYSTEM; MATERIAL; PRODUCE;
SCHEDULE; DATA; SET; GENERATE; UNIT; ENSURE; NECESSARY; NET; UNIT; ACCESS
; DATA; ITEM; SUPPLY; DATA; SET

Derwent Class: T01; X25

International Patent Class (Main): G06F-017/60

File Segment: EPI

7/5/3 (Item 3 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2005 Thomson Derwent. All rts. reserv.

013303293 **Image available**
WPI Acc No: 2000-475228/200041
Related WPI Acc No: 2002-526794
XRPX Acc No: N00-354579

Navigational software interface system displays information contained in representation of business document associated with selected document instance node

Patent Assignee: MADE2MANAGE SYSTEMS INC (MADE-N)
Inventor: KIEFUS H J ; RUSH G W
Number of Countries: 087 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200023874	A1	20000427	WO 99US24859	A	19991022	200041 B
AU 200011319	A	20000508	AU 200011319	A	19991022	200041

Priority Applications (No Type Date): US 99237631 A 19990126; US 98105287 P 19981022

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200023874	A1	E	99	G06F-003/14	

Designated States (National): AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SL SZ TZ UG ZW

AU 200011319 A G06F-003/14 Based on patent WO 200023874

Abstract (Basic): WO 200023874 A1

NOVELTY - Each document instance mode is in immediate sub-ordinate to a document type node which is provided in at least two different levels in same tree branch to identify different types of business documents. Particular document instance node is selected, and information contained in representation of business document associated with this node is displayed.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for navigational software interfacing method.

USE - For navigational software interfacing in enterprise resource planning (ERP) system.

ADVANTAGE - The user interface for shippers and invoices is familiar to sales person, since expressions that alerts the user to predetermined conditions are created.

DESCRIPTION OF DRAWING(S) - The figure shows the representative diagram of hierarchical arrangement of different types of business documents.

pp; 99 DwgNo 4/17

Title Terms: NAVIGATION; SOFTWARE; INTERFACE; SYSTEM; DISPLAY; INFORMATION; CONTAIN; REPRESENT; BUSINESS; DOCUMENT; ASSOCIATE; SELECT; DOCUMENT; INSTANCE; NODE

Derwent Class: T01; T04

International Patent Class (Main): G06F-003/14

File Segment: EPI

Set	Items	Description
S1	90	AU=(RUSH G? OR RUSH, G?)
S2	0	AU=(KIEFUS H? OR KIEFUS, H?)
S3	0	S1 AND S2
S4	0	(S1 OR S2) AND (ERP OR CRM OR SCM OR DRP OR RESOURCE() PLAN- NING? OR MRP OR MPS OR PLAN OR PLANS OR PROJECT()MANAGEMENT?)
S5	0	S3 OR S4
S6	22	S1 AND (MANAGE? OR PLAN? OR PREDICT? OR FORECAST?)
S7	13	S6 AND (SOFTWARE? OR PROGRAM? OR APPLICATION? OR ENTERPRIS- E? OR MANUFACTURING? OR EBUSINESS? OR ECOMMERCE? OR BUSINESS? OR COMMERCE? OR FINANCIAL?)
S8	10	RD (unique items)
File	2:INSPEC 1969-2005/Sep W2	(c) 2005 Institution of Electrical Engineers
File	6:NTIS 1964-2005/Sep W2	(c) 2005 NTIS, Intl Cpyrght All Rights Res
File	8:Ei Compendex(R) 1970-2005/Sep W2	(c) 2005 Elsevier Eng. Info. Inc.
File	34:SciSearch(R) Cited Ref Sci 1990-2005/Sep W2	(c) 2005 Inst for Sci Info
File	64:Environmental Engineering Abstracts 1966-2005/Sep	(c) 2005 CSA.
File	65:Inside Conferences 1993-2005/Sep W3	(c) 2005 BLDSC all rts. reserv.
File	94:JICST-EPlus 1985-2005/Jul W4	(c)2005 Japan Science and Tech Corp(JST)
File	95:TEME-Technology & Management 1989-2005/Aug W2	(c) 2005 FIZ TECHNIK
File	99:Wilson Appl. Sci & Tech Abs 1983-2005/Jul	(c) 2005 The HW Wilson Co.
File	636:Gale Group Newsletter DB(TM) 1987-2005/Sep 19	(c) 2005 The Gale Group

8/5/7 (Item 1 from file: 8)

DIALOG(R)File 8: Ei Compendex(R)

(c) 2005 Elsevier Eng. Info. Inc. All rts. reserv.

03714834 E.I. No: EIP93091086139

Title: Advanced RDBMS technology in construction of inspection data management software for process manufacturing

Author: **Rush, Gary W.** ; Berrios, Jose; Waterfield, Doug

Corporate Source: mdba, Inc, Lafayette, IN, USA

Conference Title: Proceedings of the 1993 Pressure Vessels and Piping Conference

Conference Location: Denver, CO, USA Conference Date: 19930725-19930729

Sponsor: ASME, Pressure Vessels and Piping Division

E.I. Conference No.: 19192

Source: Design Analysis, Robust Methods, and Stress Classification American Society of Mechanical Engineers, Pressure Vessels and Piping Division (Publication) PVP v 265 1993. Publ by ASME, New York, NY, USA. p 229-237

Publication Year: 1993

CODEN: AMPPD5 ISSN: 0277-027X ISBN: 0-7918-0992-7

Language: English

Document Type: CA; (Conference Article) Treatment: A; (Applications); G ; (General Review); T; (Theoretical)

Journal Announcement: 9311W3

Abstract: This paper describes the use of advanced relational database technology in the construction of an inspection data **management** system for **management** of inspection information for process **manufacturing**. The **applications** described include two versions of Inspection Data **Manager** (IDM) originally written for Exxon Corporation, one of which is now available commercially. The database structure and design approach for each is described and contrasted, along with the benefits and costs of a direct file and a client server architecture. The paper concludes with a discussion of the use of this type of **application** and technology to solve regulatory requirements for information **management** in process safety **management**. (Author abstract) 6 Refs.

Descriptors: *Computer aided engineering; Relational database systems; Information **management** ; Data processing; Computer **software** ; **Software** engineering; Process engineering; Codes (standards)

Identifiers: Inspection data **management** **software** ; Client server

architectures; Direct files; Process safety **management**

Classification Codes:

901.1 (Engineering Professional Aspects); 723.5 (Computer Applications) ; 723.3 (Database Systems); 723.2 (Data Processing); 903.4 (Information Services)

901 (Engineering Profession); 723 (Computer Software); 903 (Information Science)

90 (GENERAL ENGINEERING); 72 (COMPUTERS & DATA PROCESSING)

Set	Items	Description
S1	650981	ERP OR ENTERPRISE()RESOURCE OR OPERATIONS()MANAGEMENT OR C-PM OR SCM OR DRP OR MRP OR MPS OR PROJECT()MANAGEMENT?
S2	1981912	HIERARCH? OR TIER? OR MULTILEVEL? OR MULTILAYER? OR TREE OR BTREE OR TREES OR (PLURAL OR MULTIPLE OR PLURALITY OR MULTIPLICITY OR VARIOUS OR DIFFERENT OR MULTI) (N) (LAYER OR LAYERS OR LEVEL OR LEVELS)
S3	17326813	CONNECTING OR CONNECTS OR CONNECTED OR LINK OR ASSOCIAT? OR RELATIONSHIP? OR CONNECTION? OR INTERLINK? OR HYPERLINK? OR -LINKS OR LINKING OR LINKED
S4	10073475	SUBORDINAT? OR SLAVE? OR ORDINAT? OR BELOW? OR DOMINANT? OR PARENT? OR CHILD? OR GRANDPARENT? OR RANKING? OR RANKED OR RANKS OR RANK
S5	4018486	ALERT? OR WARN? OR ALARM? OR NOTIFICAT? OR PING OR PINGS OR INFORMS OR NOTIFY? OR NOTIFIES OR TRIGGER?
S6	11947250	DOCUMENT? OR EDOCUMENT? OR MESSAG? OR PUBLICATION? OR TEXT OR PAGE OR PAGES OR WEBPAGE? OR WEBSITE?
S7	15716628	SCORE? OR SCORING OR WEIGH? OR RANK OR RANKING OR RATES OR RATING? OR RELEVANC? OR IMPORTAN? OR PRIORIT?
S8	220	S1(10N)S5(10N)S7
S9	16	S1(10N)S2(10N)S3(10N)S4
S10	22	(S8 OR S9) (S)S6
S11	236	S8:S10
S12	137	RD (unique items)
S13	57	S12 NOT PY>1998
S14	54	S13 NOT PD=19981022:20011022
S15	54	S14 NOT PD=20011022:20041022
S16	54	S15 NOT PD=20041022:20050922
File	275:	Gale Group Computer DB(TM) 1983-2005/Sep 21 (c) 2005 The Gale Group
File	47:	Gale Group Magazine DB(TM) 1959-2005/Sep 22 (c) 2005 The Gale group
File	75:	TGG Management Contents(R) 86-2005/Sep W2 (c) 2005 The Gale Group
File	636:	Gale Group Newsletter DB(TM) 1987-2005/Sep 21 (c) 2005 The Gale Group
File	16:	Gale Group PROMT(R) 1990-2005/Sep 21 (c) 2005 The Gale Group
File	624:	McGraw-Hill Publications 1985-2005/Sep 21 (c) 2005 McGraw-Hill Co. Inc
File	484:	Periodical Abs Plustext 1986-2005/Sep W3 (c) 2005 ProQuest
File	613:	PR Newswire 1999-2005/Sep 22 (c) 2005 PR Newswire Association Inc
File	813:	PR Newswire 1987-1999/Apr 30 (c) 1999 PR Newswire Association Inc
File	141:	Readers Guide 1983-2004/Dec (c) 2005 The HW Wilson Co
File	239:	Mathsci 1940-2005/Nov (c) 2005 American Mathematical Society
File	370:	Science 1996-1999/Jul W3 (c) 1999 AAAS
File	696:	DIALOG Telecom. Newsletters 1995-2005/Sep 21 (c) 2005 Dialog
File	553:	Wilson Bus. Abs. FullText 1982-2004/Dec (c) 2005 The HW Wilson Co
File	621:	Gale Group New Prod. Annou. (R) 1985-2005/Sep 22 (c) 2005 The Gale Group
File	674:	Computer News Fulltext 1989-2005/Sep W2 (c) 2005 IDG Communications
File	88:	Gale Group Business A.R.T.S. 1976-2005/Sep 19 (c) 2005 The Gale Group
File	369:	New Scientist 1994-2005/Jun W3 (c) 2005 Reed Business Information Ltd.
File	160:	Gale Group PROMT(R) 1972-1989

(c) 1999 The Gale Group
File 635:Business Dateline(R) 1985-2005/Sep 21
(c) 2005 ProQuest Info&Learning
File 15:ABI/Inform(R) 1971-2005/Sep 21
(c) 2005 ProQuest Info&Learning
File 9:Business & Industry(R) Jul/1994-2005/Sep 21
(c) 2005 The Gale Group
File 13:BAMP 2005/Aug W4
(c) 2005 The Gale Group
File 810:Business Wire 1986-1999/Feb 28
(c) 1999 Business Wire
File 610:Business Wire 1999-2005/Sep 22
(c) 2005 Business Wire.
File 647:CMP Computer Fulltext 1988-2005/Sep W1
(c) 2005 CMP Media, LLC
File 98:General Sci Abs/Full-Text 1984-2004/Dec
(c) 2005 The HW Wilson Co.
File 148:Gale Group Trade & Industry DB 1976-2005/Sep 22
(c)2005 The Gale Group
File 634:San Jose Mercury Jun 1985-2005/

16/3,K/3 (Item 3 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2005 The Gale Group. All rts. reserv.

01906297 SUPPLIER NUMBER: 17983081 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Managing, not just coping. (software development and project management software) (Technology Information)

Vowler, Julia

Computer Weekly, p20(1)

Feb 1, 1996

ISSN: 0010-4787

LANGUAGE: English

RECORD TYPE: Fulltext; Abstract

WORD COUNT: 577

LINE COUNT: 00049

... work they are doing.

You must also, says Wohlers, allow for change, perhaps because company **priorities** change, or project team members leave or are needed elsewhere.

But there are two caveats to using software **project management** tools, he **warns**. Firstly, all this intensive recording of the project's progress should not be regarded by...

16/3,K/6 (Item 6 from file: 275)
DIALOG(R) File 275:Gale Group Computer DB(TM)
(c) 2005 The Gale Group. All rts. reserv.

01525778 SUPPLIER NUMBER: 12332704 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Small things considered: personal tools. (Applications Focus) (Microsoft
Windows-based personal information management systems) (Software Buyer's
Guide: Personal Information Managers: PIMs Get Graphic)
PC Sources, v3, n7, p531(1)
July, 1992
ISSN: 1052-6579 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 926 LINE COUNT: 00070

... and carries them over to the next day.
If your to-do needs extend to **project management**, PackRat is a logical choice. Though its to-do list function highlights **priority** items, transfers items to the calendar, and sets **alarms**, it also has a special project manager that lets you assign and track delegated tasks...

...your own workload, in which case programs with simple to-do lists that let you **prioritize** and forward items, and set **alarms** will suffice.

* Managing Others

If you're overseeing group productivity, **project management** tools can be invaluable. In this case, you'll want a program that lets you...

16/3,K/12 (Item 1 from file: 75)
DIALOG(R)File 75:TGG-Management Contents(R)
(c) 2005 The Gale Group. All rts. reserv.

00156863 SUPPLIER NUMBER: 12795315 (USE FORMAT 7 FOR FULL TEXT)

A look at MRP II. (Manufacturing Resource Planning). (Information Technology)

Lim, Emmanuel

CMA - the Management Accounting Magazine, v66, n6, p8(2)

July-August, 1992

ISSN: 0831-3881 LANGUAGE: English RECORD TYPE: Fulltext; Abstract

WORD COUNT: 1150 LINE COUNT: 00093

... can closely approximate the ideal of "Just-In-Time" inventory control and ultimately, improved turnover **rates**. The **MRP** II system also **alerts** users to situations where contention for resources occur. Thus, the organization can be more proactive...

16/3,K/42 (Item 5 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
(c) 2005 ProQuest Info&Learning. All rts. reserv.

00646016 92-60956

An Examination of a Distribution Resource Planning Problem: DRP System Nervousness

Ho, Chrwan-jyh

Journal of Business Logistics v13n2 PP: 125-152 1992

ISSN: 0735-3766 JRNL CODE: JBL

WORD COUNT: 5040

...TEXT: manufacturing information system, MRP generates information used by these 'downstream' information systems--such as order **priorities**, order release dates, and order quantities. In turn, **MRP** reacts to information provided by these downstream systems. The completion, for example, of an order on the shop floor **triggers** a change in the status of the order in the **MRP** system (from scheduled receipt to on-hand inventory). In reacting to these changes, MRP attempts...

Set	Items	Description
S1	151113	ERP OR ENTERPRISE()RESOURCE OR OPERATIONS()MANAGEMENT OR C-PM OR SCM OR DRP OR MRP OR MPS OR PROJECT()MANAGEMENT?
S2	1322225	HIERARCH? OR TIER? OR MULTILEVEL? OR MULTILAYER? OR TREE OR BTREE OR TREES OR (PLURAL OR MULTIPLE OR PLURALITY OR MULTIPLICITY OR VARIOUS OR DIFFERENT OR MULTI) (N) (LAYER OR LAYERS OR LEVEL OR LEVELS)
S3	7166293	CONNECTING OR CONNECTS OR CONNECTED OR LINK OR ASSOCIAT? OR RELATIONSHIP? OR CONNECTION? OR INTERLINK? OR HYPERLINK? OR -LINKS OR LINKING OR LINKED
S4	3330351	SUBORDINAT? OR SLAVE? OR ORDINAT? OR BELOW? OR DOMINANT? OR PARENT? OR CHILD? OR GRANDPARENT? OR RANKING? OR RANKED OR RANKS OR RANK
S5	452881	ALERT? OR WARN? OR ALARM? OR NOTIFICAT? OR PING OR PINGS OR INFORMS OR NOTIFY? OR NOTIFIES OR TRIGGER?
S6	1873617	DOCUMENT? OR EDOCUMENT? OR MESSAG? OR PUBLICATION? OR TEXT OR PAGE OR PAGES OR WEBPAGE? OR WEBSITE?
S7	7022520	SCORE? OR SCORING OR WEIGH? OR RANK OR RANKING OR RATES OR RATING? OR RELEVANC? OR IMPORTAN? OR PRIORIT?
S8	21867	S1 AND S7
S9	293	S5 AND S8
S10	2244	S1 AND (S2 OR S4) AND S3
S11	12	S10 AND S5 AND S7
S12	1413	S1(5N) (S2 OR S4)
S13	295	S10 AND S12
S14	307	S12 AND S7
S15	21	S12 AND S5
S16	18	S9 AND S6
S17	90	S13 AND S7
S18	131	S11 OR S15 OR S16 OR S17
S19	64	S18 NOT PY>1998
S20	48	RD (unique items)
File	8: Ei	Compendex(R) 1970-2005/Sep W2 (c) 2005 Elsevier Eng. Info. Inc.
File	35: Dissertation	Abs Online 1861-2005/Aug (c) 2005 ProQuest Info&Learning
File	56: Computer and Information Systems	Abstracts 1966-2005/Sep (c) 2005 CSA.
File	57: Electronics & Communications	Abstracts 1966-2005/Sep (c) 2005 CSA.
File	65: Inside Conferences	1993-2005/Sep W3 (c) 2005 BLDSC all rts. reserv.
File	2: INSPEC	1969-2005/Sep W2 (c) 2005 Institution of Electrical Engineers
File	94: JICST-Eplus	1985-2005/Jul W4 (c) 2005 Japan Science and Tech Corp (JST)
File	111: TGG Natl. Newspaper Index	(SM) 1979-2005/Sep 19 (c) 2005 The Gale Group
File	6: NTIS	1964-2005/Sep W2 (c) 2005 NTIS, Intl Cpyrght All Rights Res
File	144: Pascal	1973-2005/Sep W2 (c) 2005 INIST/CNRS
File	434: SciSearch	(R) Cited Ref Sci 1974-1989/Dec (c) 1998 Inst for Sci Info
File	34: SciSearch	(R) Cited Ref Sci 1990-2005/Sep W2 (c) 2005 Inst for Sci Info
File	99: Wilson Appl. Sci & Tech	Abs 1983-2005/Jul (c) 2005 The HW Wilson Co.
File	95: TEME-Technology & Management	1989-2005/Aug W2 (c) 2005 FIZ TECHNIK

20/5/2 (Item 2 from file: 8)
DIALOG(R)File 8: Ei Compendex(R)
(c) 2005 Elsevier Eng. Info. Inc. All rts. reserv.

04882895 E.I. No: EIP97123945554

Title: Identifying problems in multiple project management using Goldratt's current reality tree

Author: Walker, Ed D. II; Cox, James F. III; Pittman, Paul H.

Corporate Source: Georgia Southern Univ, Statesboro, GA, USA

Conference Title: Proceedings of the 1997 40th International Conference and Exhibition

Conference Location: Washington, DC, USA Conference Date: 19971026-19971029

E.I. Conference No.: 47381

Source: Annual International Conference Proceedings - American Production and Inventory Control Society 1997. APICS, Falls Church, VA, USA. p 38-43

Publication Year: 1997

CODEN: AICSEO

Language: English

Document Type: CA; (Conference Article) Treatment: G; (General Review); M; (Management Aspects)

Journal Announcement: 9801W4

Abstract: The management of multiple projects with limited resources is rapidly becoming **important** to managers in many manufacturing and service organizations. Seven problems **associated** in the most commonly used project evaluation review technique/critical path method (PERT/ **CPM**) assumptions and practice in the multiple project environment are identified. Each projects should be planned and controlled so as to minimize the effects of the problems. Practitioners should also understand the **relationships** among multiple projects that share common resources.

Descriptors: ***Project management** ; PERT; Critical path analysis; Resource allocation; Total quality management; Strategic planning; Standards; Problem solving

Identifiers: Manufacturing resource planning (**MRP**); Business process reengineering (BPR); Current reality **tree** (CRT)

Classification Codes:

912.2 (Management); 913.3 (Quality Assurance & Control); 902.2 (Codes & Standards)

912 (Industrial Engineering & Management); 913 (Production Planning & Control); 902 (Engineering Graphics & Standards)

91 (ENGINEERING MANAGEMENT); 90 (GENERAL ENGINEERING)

20/5/3 (Item 3 from file: 8)
DIALOG(R)File 8: Ei Compendex(R)
(c) 2005 Elsevier Eng. Info. Inc. All rts. reserv.

04532863 E.I. No: EIP96103367081

Title: Visions happen: when you make them actionable using total quality control 2 (TQC2)

Author: Sandras, William A. Jr.

Conference Title: Proceedings of the 1995 38th APICA International Conference and Exhibition

Conference Location: Orlando, FL, USA Conference Date: 19951022-19951027

E.I. Conference No.: 45440

Source: Annual International Conference Proceedings - American Production and Inventory Control Society 1995. APICS, Falls Church, VA, USA. p 209-214

Publication Year: 1995

CODEN: AICSEO

Language: English

Document Type: CA; (Conference Article) Treatment: G; (General Review)

Journal Announcement: 9612W3

Abstract: Many organizations have banners or slogans flying about of what they want to become or achieved. Unfortunately, most are just slogans and banners to whip up enthusiasm. What has been lacking until recently is a process to translate these worthy visions, objectives, projects, or problems into actionable steps that will ensure that the visions happens. There is now that process. It is composed on Seven New Management and Planning Total Quality Control Tools called TQC2. This paper examines each of the seven tools. Two of them are the Affinity Diagram and the Interrelationship Diagram. These are typically the first two techniques to be used when multiple techniques are **linked** to translate a higher level strategic plan in actionable items. 4 Refs.

Descriptors: *Strategic planning; Quality control; **Project management**; Societies and institutions; Graph theory; **Trees** (mathematics); Matrix algebra; Critical path analysis; PERT; Decision making

Identifiers: Total quality control; Interrelationship diagram; Contingency planning; **Tree** diagrams; **Prioritization** matrix; Matrix diagrams; Process decision program charts

Classification Codes:

901.1.1 (Societies & Institutions)

912.2 (Management); 913.3 (Quality Assurance & Control); 901.1 (Engineering Professional Aspects); 921.4 (Combinatorial Mathematics, Includes Graph Theory, Set Theory); 921.1 (Algebra)

912 (Industrial Engineering & Management); 913 (Production Planning & Control); 901 (Engineering Profession); 921 (Applied Mathematics)

91 (ENGINEERING MANAGEMENT); 90 (GENERAL ENGINEERING); 92 (ENGINEERING MATHEMATICS)

20/5/6 (Item 6 from file: 8)
DIALOG(R)File 8: Ei Compendex(R)
(c) 2005 Elsevier Eng. Info. Inc. All rts. reserv.

04012654 E.I. No: EIP94122480686

Title: Real-time piloting of Flexible Manufacturing Systems

Author: Tawegoum, R.; Castelain, E.; Gentina, J.C.

Corporate Source: URA-CNRS, Villeneuve d'Ascq, Fr

Source: European Journal of Operational Research v 78 n 2 Oct 27 1994. p 252-261

Publication Year: 1994

CODEN: EJORDT ISSN: 0377-2217

Language: English

Document Type: JA; (Journal Article) Treatment: A; (Applications); T; (Theoretical)

Journal Announcement: 9502W2

Abstract: In this paper we introduce management functions in real time monitoring of FMS. We consider FMS in which the control unit is modeled using objects Petri nets. In these systems, machine round-ups **connected** by complex carriage systems, particular resources behaviour and disruption appearance generate considerable data flow. The flexibility of the system is expressed at the control level by indeterminisms, creating resources access conflicts and encouraging parallelism of operations. Particular resources behaviour and disruption appearance create dynamic stickings, which need real time resolution methods. We aim for autonomous decisions of the **hierarchical** level yielding for the minimization of reflective delays introduced by perturbations. We propose a **hierarchical** level divided into three parts: a planification level, a schedule level and a real time piloting level which we will detail in this paper. As the shop floor is steadily perturbed, the piloting level must use both, flexibility of machines and transport system to minimize part traveling duration. We present some fast methods able to absorb real time perturbations occurring during production, and to optimize resources management. The major difficulty is the estimation of the consequences induced by correcting actions. Thus, we look for a satisfying solution as a compromise between schedule propositions and current shop state. (Author abstract) 11 Refs.

Descriptors: *Flexible manufacturing systems; Production control; Petri nets; Mathematical models; Decision theory; Scheduling; **Hierarchical** systems; Perturbation techniques; Optimization; **Project management**

Identifiers: Real time manufacturing piloting; Resource management; Online production control; **Priority** functions; Scheduling rules

Classification Codes:

913.4.1 (Flexible Manufacturing Systems)

913.4 (Manufacturing); 913.2 (Production Control); 921.4

(Combinatorial Mathematics, Includes Graph Theory, Set Theory); 921.6

(Numerical Methods); 922.1 (Probability Theory); 912.2 (Management)

913 (Production Planning & Control); 921 (Applied Mathematics); 922

(Statistical Methods); 912 (Industrial Engineering & Management)

91 (ENGINEERING MANAGEMENT); 92 (ENGINEERING MATHEMATICS)

20/5/7 (Item 7 from file: 8)
DIALOG(R) File 8: Ei Compendex(R)
(c) 2005 Elsevier Eng. Info. Inc. All rts. reserv.

03997493 E.I. No: EIP94122452703

Title: Towards an integrated accounting framework for manufacturing improvement

Author: Theeuwes, Jacques A.M.; Adriaansen, Jacques K.M.

Corporate Source: Eindhoven Univ of Technology, Eindhoven, Neth

Source: International Journal of Production Economics v 36 n 1 Aug 1994.

p 85-96

Publication Year: 1994

CODEN: IJPCEY ISSN: 0925-5273

Language: English

Document Type: JA; (Journal Article) Treatment: G; (General Review)

Journal Announcement: 9501W3

Abstract: The accounting world is confronted with criticism on the **relevance** of its practices. This has led to improved allocation methods and improved methods for operational decision making. Until now few attempts are made to integrate these new accounting methods. This paper presents an integrated accounting information framework to measure the economic consequences of manufacturing improvement decisions. The notions 'resource consumption' and 'resource spending' are **connected** to build the framework. Within this context effectiveness, efficiency and productivity improvement are redefined. A project portfolio gives **operations management** the possibility to **rank** improvement projects based on magnitude, timing and economic results. (Author abstract) 17 Refs.

Descriptors: *Cost accounting; Manufacture; Decision theory; Industrial economics; Costs; Efficiency; Productivity; Production control; Budget control; Marketing

Identifiers: Integrated accounting framework; Resource consumption; Resource spending

Classification Codes:

911.1 (Cost Accounting); 913.4 (Manufacturing); 911.2 (Industrial Economics); 913.2 (Production Control); 911.4 (Marketing); 912.4 (Personnel)

911 (Industrial Economics); 913 (Production Planning & Control); 912 (Industrial Engineering & Management)

91 (ENGINEERING MANAGEMENT)

20/5/8 (Item 8 from file: 8)
DIALOG(R) File 8: Ei Compendex(R)
(c) 2005 Elsevier Eng. Info. Inc. All rts. reserv.

02249888 E.I. Monthly No: EIM8705-035189

Title: INTELLIGENT CONSTRUCTION RISK IDENTIFICATION SYSTEM.

Author: Ashley, D. B.; Perng, Y. -H.

Corporate Source: Univ of Texas, Austin, TX, USA

Conference Title: Computers in Offshore and Arctic Engineering - 1987. (Presented at the Sixth (1987) International Symposium & Exhibit on Offshore Mechanics and Arctic Engineering.)

Conference Location: Houston, TX, USA Conference Date: 19870301

Sponsor: ASME, New York, NY, USA; Soc of Naval Architects of Japan, Jpn; Inst of Mechanical Engineers, London, Engl; London Cent for Marine Technology, London, Engl; Norwegian Soc of Chartered Engineers, Norw; et al
E.I. Conference No.: 09567

Source: Publ by ASME, New York, NY, USA p 91-97

Publication Year: 1987

Language: English

Document Type: PA; (Conference Paper)

Journal Announcement: 8705

Abstract: An Intelligent Risk Identification System (IRIS) to help construction project management identify possible problems is being developed at The University of Texas. The system consists of an extensive database of construction problem statements collected primarily from interviewing experienced construction personnel and other experts, an inference engine for intelligent search and graphical output of risk relationships. Information available in this database includes: issues with potential cost impact and schedule delay, cause-effect relationships of these issues, early **warning** signs, effective and ineffective management actions and impact of these actions. The principal value of a construction risk identification system is in pre-planning and contingency strategy development. As a construction type becomes more specific such as a steel jacket offshore platform, the value of this approach becomes more evident. The new project will benefit from the wealth of experience on previous, similar projects. (Edited author abstract) 18 refs.

Descriptors: *OFFSHORE STRUCTURES--*Construction; ARTIFICIAL INTELLIGENCE --Expert Systems

Identifiers: INTELLIGENT RISK IDENTIFICATION SYSTEM; CONSTRUCTION PROJECT MANAGEMENT ; EXPERT SYSTEM; **HIERARCHICAL TREE** ; CAUSE-EFFECT RELATIONSHIPS

Classification Codes:

674 (Other Marine Craft); 723 (Computer Software)

67 (MARINE ENGINEERING); 72 (COMPUTERS & DATA PROCESSING)

20/5/13 (Item 5 from file: 35)
DIALOG(R) File 35:Dissertation Abs Online
(c) 2005 ProQuest Info&Learning. All rts. reserv.

01447632 ORDER NO: AADAA-I9537496

NEW PRODUCT DEVELOPMENT PROCESSES: CREATION OF A DYNAMIC ANALYSIS TOOL (PROJECT MANAGEMENT)

Author: REDSZUS, DAVID MICHAEL

Degree: PH.D.

Year: 1995

Corporate Source/Institution: NORTHWESTERN UNIVERSITY (0163)

Adviser: DONALD N. FREY

Source: VOLUME 56/07-B OF DISSERTATION ABSTRACTS INTERNATIONAL.

PAGE 3953. 578 PAGES

Descriptors: ENGINEERING, INDUSTRIAL ; BUSINESS ADMINISTRATION, MANAGEMENT ; ENGINEERING, AUTOMOTIVE

Descriptor Codes: 0546; 0454; 0540

This study is an examination of processes by which organizations actually conduct New Product Development (NPD). Processes were found to exhibit non-linear characteristics, which **trigger** substantial delays, higher costs, deteriorating quality, and ultimately, lost market opportunity.

With the assistance of NPD participants, we **documented** their processes in over 100 US and German industrial organizations, and the US Army Materiel Command. IDEF0 functional modeling was employed at several sites. The functional models (and process flow charts derived from these models) did not reveal dynamic behavior, but demonstrated that NPD processes are composed of an enormous number of functions (i.e., complicated) whose relationship are not well understood, even by most participants. Further, these processes were found to be highly iterative (i.e., non-linear). This conflicts with common linear process views. Current NPD management tools largely assume process linearity.

When considered dynamically, NPD could be characterized as a complex system, sharing characteristics with certain deterministically chaotic systems. Further, NPD was identified as a collection of information churning processes which often stifle engineering progress.

A new dynamic analysis tool, the Complex Process Path (CPP), was developed from existing manufacturing simulation techniques. It provides for high, previously inconceivable, levels of non-linear information processing. It also incorporates varying degrees of functional concurrence, behavioral contingency of human resources, **priority** policies, and variable service times. Though prototype flow was sequential in the current model, prototype iteration can also be incorporated.

Fifty-two variations of a simple CPP model were simulated, using parameters derived from field observations. Incremental changes in functional efficiency or structure of the information system could produce unpredictable, non-intuitive behaviors and significantly change overall performance. Further, it often resembles behavior seen in the field studies.

To help rectify problems of unpredictable complex behavior, a three component framework has been established. Based on field studies and CPP model dynamics, several managerial suggestions have been forwarded.

A deficiency of dynamic management tools and measures precludes immediate exploitation of non-linear behavior to improve system performance. Research focused on dynamic management techniques is warranted and is expected to be useful beyond the domain of NPD in other complicated/complex organizational systems.

20/5/15 (Item 7 from file: 35)
DIALOG(R)File 35:Dissertation Abs Online
(c) 2005 ProQuest Info&Learning. All rts. reserv.

01321036 ORDER NO: NOT AVAILABLE FROM UNIVERSITY MICROFILMS INT'L.
HIERARCHICAL PRODUCTION PLANNING, PROGRAMMING AND CONTROL SYSTEMS
Original Title: LOS SISTEMAS JERARQUICOS DE PLANIFICACION, PROGRAMACION Y
CONTROL DE LA PRODUCCION

Author: ALVAREZ GIL, MARIA JOSE
Degree: PH.D.
Year: 1990
Corporate Source/Institution: UNIVERSIDAD DE SEVILLA (SPAIN) (5870)
Source: VOLUME 54/04-C OF DISSERTATION ABSTRACTS INTERNATIONAL.
PAGE 1001.
Descriptors: BUSINESS ADMINISTRATION, GENERAL
Descriptor Codes: 0310
Language: SPANISH
ISBN: 84-7405-744-2
Publisher: UNIVERSIDAD DE SEVILLA, SERVICIO DE PUBLICACIONES, C/
VALPARAISO, 5, SEVILLA, SPAIN

Hierarchical production planning, programming and control systems have significantly evolved from those first proposals from Holt, Modigliani, Muth and Simon (1958), or even from the Hax and Meal model (1975).

It has been assumed for a long time that these systems were solely represented by those investigations receiving the name HPP. Our belief is quite different, since there are other **important** manufacturing philosophies, advanced production concepts and developed systems based on the **hierarchical** nature of production planning, programming and control process. JIT, CIM, AMRF or FMS can be considered good examples. We also maintain that the **MRP** II system evolved is the best among all systems, relative to the above mentioned process.

We have decided to study most **important** contributions related directly, or not so directly, to that **hierarchical** nature, as well as the systems involved in process implementation. The period of time considered goes from the sixties to 1990.

When trying to order, analyze and compare the existing proposals we have found that they vary significantly. Contributions differ on purpose, content, length, mathematical basis, problems and costs **associated** with implementation, constraints considered, mathematical basis, accuracy, etc.

This enormous disorder goes together with the fact that there is not research work devoted specifically to them, nor a categorized analysis nor even just a guide to clarify the numerous conflicts and confusions surrounding these systems.

Taking into account all these special circumstances, we have **ranked** the models considering their appearance date, constraints considered, stage of the production planning, programming and control emphasized, as well as the investigative group they belong to.

We have included different versions of **MRP**, demonstrating that they follow the **hierarchical** nature of the process, although only **MRP** II can be seen as a real **hierarchical** system.

The next step has been to study the applicability of the basic notions **associated** to the way in which manufacturing strategy must be implemented in conventional factories when they are used in highly automatic environments.

Finally, the most recent contributions have been considered in order to show that modern **hierarchical** systems are being used in such factories of the future.

20/5/17 (Item 9 from file: 35)
DIALOG(R)File 35:Dissertation Abs Online
(c) 2005 ProQuest Info&Learning. All rts. reserv.

1063184 ORDER NO: AAD89-14460

A HIERARCHICAL PROJECT MANAGEMENT MODEL

Author: PINDER, JONATHAN PATTERSON

Degree: PH.D.

Year: 1988

Corporate Source/Institution: THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL
HILL (0153)

DIRECTOR: ANN S. MARUCHECK

Source: VOLUME 50/03-A OF DISSERTATION ABSTRACTS INTERNATIONAL.

PAGE 735. 261 PAGES

Descriptors: BUSINESS ADMINISTRATION, MANAGEMENT

Descriptor Codes: 0454

This research studies a problem referred to as the resource-constrained project scheduling problem. In this problem, there are a number of activities that require the use of limited (constrained) resources. It must then be determined in what order the activities should be allowed to use the resources. This research describes a two-stage methodology for solving this type of problem. The first stage, referred to as the resource planning problem, is solved to determine the total amount of resources available. The second stage is the scheduling of the activities to resolve the conflicts arising from the constraint of resources. The objective is to resolve the conflicts in such a manner as to maximize the Net Present Value of the project.

In this research, the resource planning problem is described as a Markovian decision model. A method of approximating this model is developed through the use of multiple linear regression. The scheduling of the activities is accomplished through the use of rules (heuristics) that establish **priorities** among those activities that require the use of the resource. This research statistically tests the performance of twenty-seven scheduling heuristics; twenty of which are original to this work with the remainder being "standard" heuristics used to minimize the duration of the project.

The approximation to the resource planning model is shown to perform well for purposes of extrapolation. The results of the comparison of the scheduling rules indicate that several of the rules introduced in this work perform significantly better at maximizing the net present value of the project as well as minimizing the duration of the project. Thus, this research makes the following contributions: (1) The introduction of a Markovian decision model to determine the quantity of resources that should be on hand. (2) A method of approximating this quantity. (3) A method of performing the sensitivity analysis **associated** with this decision. (4) The introduction of the scheduling rules that perform well at maximizing net present value and minimizing project duration. (5) The combination of the two problems into an integrated **project management** model.

20/5/41 (Item 5 from file: 34)
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci
(c) 2005 Inst for Sci Info. All rts. reserv.

05455296 Genuine Article#: WA037 Number of References: 29
Title: FORMULAS OF MRP
Author(s): SEGERSTEDT A
Corporate Source: MALARDALEN UNIV, BOX 883/S-72123 VASTERAS//SWEDEN/
Journal: INTERNATIONAL JOURNAL OF PRODUCTION ECONOMICS, 1996, V46, DEC (DEC
) , P127-136
ISSN: 0925-5273
Language: ENGLISH Document Type: ARTICLE
Geographic Location: SWEDEN
Subfile: SciSearch; CC ENGI--Current Contents, Engineering, Technology &
Applied Sciences

Journal Subject Category: ENGINEERING

Abstract: This paper presents **MRP** in formulas. The usual presentation of the **MRP** -calculation in textbooks for **operations management** and production economics in tables are described here in formulas. In the **MRP** -calculation: first **MRP** reschedules already open orders to current gross requirements, then **MRP** calculates and time-phases planned orders to satisfy remaining gross requirements. The **MRP** -calculation can face an open order with a planned due date in past time, and where the real due date will be some period in the future. Such problems are seldom pointed out in textbooks, but the presented formulas must handle it and similar problems. The paper tries to postulate the 'real' **MRP** -calculation. It is **important** that we define what we really mean when we talk about **MRP** , formulas are a supreme method for communication. Furthermore the paper points to the **connections** between **MRP** and input-output analyses. Definitions of inefficiencies related to **MRP** , 'remnant stock' and 'imbalance', are discussed with used formulas.

Descriptors--Author Keywords: MATERIALS REQUIREMENT PLANNING (**MRP**) ; **MULTILEVEL** PRODUCTION CONTROL ; RESCHEDULING ; INVENTORY INEFFICIENCY
Identifiers--KeyWords Plus: INPUT-OUTPUT-ANALYSIS; SYSTEMS
Research Fronts: 95-0451 001 (HAMILTON-JACOBI EQUATIONS; GENERALIZED MOTION; LEVEL SET APPROACH; DYNAMIC INVENTORY MODEL; ECONOMIC LOT SCHEDULING PROBLEM; MEAN-CURVATURE FLOW)

Cited References:

AXSATER S, 1993, V39, P1274, MANAGE SCI
AXSATER S, 1976, P9, P 2 EUR C OP RES
BILLINGTON PJ, 1983, V29, P1126, MANAGE SCI
BONNEY MC, 1988, V15, P169, ENG COSTS PROD EC
BONNEY MC, 1987, V25, P45, INT J PROD RES
BURBIDGE J, 1980, PROD ENG OCT
CARLSON RC, 1979, V20, P49, P INV MGMT
EPPEN G, 1981, V46, TMS STUDIES MANAGEM
GRUBBSTROM RW, 1992, V26, P311, INT J PROD ECON
GRUBBSTROM RW, 1994, V35, P299, INT J PROD ECON
GRUBBSTROM RW, 1989, RR121 LINK I TECHN D
GRUBBSTROM RW, 1994, WP204 LINK I TECHN D
KRAJEWSKI LJ, 1993, OPERATIONS MANAGEMEN
LEONTIEF WW, 1928, V60, ARCH SOZIALWISSENSCH
MATTSON SA, 1987, 87206 MPS
MOLINDER A, 1993, LINKOPING STUDIES SC
OLHAGER J, 1989, EFFEKTIV MPS REFEREN
ORLICKY J, 1975, MATERIAL REQUIREMENT
ROUNDY R, 1986, V11, P699, MATH OPER RES
SEGERSTEDT A, 1991, COVER TIME PLANNING
SEGERSTEDT A, 1993, V41, P355, INT J PROD EC
SEGERSTEDT A, 1995, MULTI LEVEL PRODUCTI
SRIDHARAN V, 1987, V33, P1137, MANAGE SCI
STJOHN RE, 1993, MAT CAPACITY REQUIRE
VANDONSELAAR K, 1989, THESIS EINDHOVEN U T

VAZSONYI A, 1955, V1, P70, MANAGE SCI
VAZSONYI A, 1958, SCI PROGRAMMING BUSI
VOLLMAN TE, 1992, MANUFACTURING PLANNI

Set	Items	Description
S1	3763	ERP OR ENTERPRISE()RESOURCE OR OPERATIONS()MANAGEMENT OR C-PM OR SCM OR DRP OR MRP OR MPS OR PROJECT()MANAGEMENT?
S2	250156	HIERARCH? OR TIER? OR MULTILEVEL? OR MULTILAYER? OR TREE OR BTREE OR TREES OR (PLURAL OR MULTIPLE OR PLURALITY OR MULTIPLICITY OR VARIUOS OR DIFFERENT OR MULTI) (N) (LAYER OR LAYERS OR LEVEL OR LEVELS)
S3	4278964	CONNECTING OR CONNECTS OR CONNECTED OR LINK OR ASSOCIAT? OR RELATIONSHIP? OR CONNECTION? OR INTERLINK? OR HYPERLINK? OR -LINKS OR LINKING OR LINKED
S4	755558	SUBORDINAT? OR SLAVE? OR ORDINAT? OR BELOW? OR DOMINANT? OR PARENT? OR CHILD? OR GRANDPARENT? OR RANKING? OR RANKED OR R-ANKS OR RANK
S5	349438	ALERT? OR WARN? OR ALARM? OR NOTIFICAT? OR PING OR PINGS OR INFORMS OR NOTIFY? OR NOTIFIES OR TRIGGER?
S6	984235	DOCUMENT? OR EDOCUMENT? OR MESSAG? OR PUBLICATION? OR TEXT OR PAGE OR PAGES OR WEBPAGE? OR WEBSITE?
S7	48	S1 AND S2 AND (S3 OR S4)
S8	1	S1 AND S2 AND S5 AND S6
S9	2	S1 AND S2 AND S5
S10	48	S7:S9
S11	48	IDPAT (sorted in duplicate/non-duplicate order)
S12	46	IDPAT (primary/non-duplicate records only)

File 347:JAPIO Nov 1976-2005/Apr(Updated 050801)
(c) 2005 JPO & JAPIO

File 350:Derwent WPIX 1963-2005/UD,UM &UP=200559
(c) 2005 Thomson Derwent

12/5/24 (Item 24 from file: 350)
DIALOG(R) File 350:Derwent WPIX
(c) 2005 Thomson Derwent. All rts. reserv.

013696867 **Image available**
WPI Acc No: 2001-181091/200118
Related WPI Acc No: 2002-655029
XRPX Acc No: N01-129032

Computerized application program generation for database management system, involves associating database description and record layout, to define database specification, based on which class definitions are generated

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC)
Inventor: BACH M A; CHARLET K J; HO S F; MCBRIDE K M; ROWE-ANDERSON H M;
SANDER T B; VOGEL T A

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6141660	A	20001031	US 98118130	A	19980716	200118 B

Priority Applications (No Type Date): US 98118130 A 19980716

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 6141660	A	34	G06F-017/30	

Abstract (Basic): US 6141660 A

NOVELTY - A database description and record layout **associated** with **hierarchical** database, are accessed and **associated** using operating commands obtained through interface, to define specification for database. Using the database specification, class definitions are generated. The class definitions are installed as objects in object framework for encapsulating the data retrieved from database.

DETAILED DESCRIPTION - The operating commands include batch processing command, **project management** command, commands for **connecting** /disconnecting to or from host system, file management command, command for creating class specifications, command for uploading class specifications to host system, command for exiting the command line interface and command for saving a command script file.

INDEPENDENT CLAIMS are also included for the following:

- (a) computerized application program generating apparatus;
- (b) computerized application program storage medium

USE - For generating application program for accessing **hierarchical** database using object-oriented frame work in database management system such as information management system. Also used in mainframes, minicomputers, personal computers.

ADVANTAGE - Enables to generate class specifications for object oriented application which accesses the **hierarchical** database, thus minimizing effort involved in developing new application programs.

DESCRIPTION OF DRAWING(S) - The figure shows flowchart illustrating the logic performed by class definition tool.

pp; 34 DwgNo 5/9

Title Terms: COMPUTER; APPLY; PROGRAM; GENERATE; DATABASE; MANAGEMENT; SYSTEM; **ASSOCIATE** ; DATABASE; DESCRIBE; RECORD; LAYOUT; DEFINE; DATABASE ; SPECIFICATION; BASED; CLASS; DEFINE; GENERATE

Derwent Class: T01

International Patent Class (Main): G06F-017/30

File Segment: EPI

12/5/25 (Item 25 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2005 Thomson Derwent. All rts. reserv.

013410514 **Image available**
WPI Acc No: 2000-582452/200055
XRPX Acc No: N00-431148

**Distributed project or file management system for production control
using computers, expresses relationships between objects, by directed
line segment**

Patent Assignee: OKUMURA T (OKUM-I)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2000231591	A	20000822	JP 9967245	A	19990208	200055 B

Priority Applications (No Type Date): JP 9967245 A 19990208

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 2000231591	A		5 G06F-017/60	

Abstract (Basic): JP 2000231591 A

NOVELTY - The **relationship** such as execution **hierarchy** ,
dependent **relationship** , is importance and the production order is
expressed by directed line segment (11) and polygon between the
objects.

USE - For production control using computer.

ADVANTAGE - The **relationship** between objects in **project
management** system are expressed by directed line segments, thereby the
project can be easily divided and managed by several persons.

DESCRIPTION OF DRAWING(S) - The figure shows the computer screen
during project control.

Directed line segment (11)

pp; 5 DwgNo 1/7

Title Terms: DISTRIBUTE; PROJECT; FILE; MANAGEMENT; SYSTEM; PRODUCE;
CONTROL; COMPUTER; EXPRESS; RELATED; OBJECT; DIRECT; LINE; SEGMENT
Derwent Class: T01

International Patent Class (Main): G06F-017/60

International Patent Class (Additional): G06F-012/00

File Segment: EPI

12/5/27 (Item 27 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2005 Thomson Derwent. All rts. reserv.

013303293 **Image available**
WPI Acc No: 2000-475228/200041
Related WPI Acc No: 2002-526794
XRPX Acc No: N00-354579

Navigational software interface system displays information contained in representation of business document associated with selected document instance node

Patent Assignee: MADE2MANAGE SYSTEMS INC (MADE-N)
Inventor: KIEFUS H J; RUSH G W
Number of Countries: 087 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200023874	A1	20000427	WO 99US24859	A	19991022	200041 B
AU 200011319	A	20000508	AU 200011319	A	19991022	200041

Priority Applications (No Type Date): US 99237631 A 19990126; US 98105287 P 19981022

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
WO 200023874	A1	E	99 G06F-003/14	

Designated States (National): AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SL SZ TZ UG ZW

AU 200011319 A G06F-003/14 Based on patent WO 200023874

Abstract (Basic): WO 200023874 A1

NOVELTY - Each **document** instance mode is in immediate subordinate to a **document** type node which is provided in at least two **different levels** in same **tree** branch to identify different types of business **documents**. Particular **document** instance node is selected, and information contained in representation of business **document** associated with this node is displayed.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for navigational software interfacing method.

USE - For navigational software interfacing in **enterprise resource** planning (**ERP**) system.

ADVANTAGE - The user interface for shippers and invoices is familiar to sales person, since expressions that **alerts** the user to predetermined conditions are created.

DESCRIPTION OF DRAWING(S) - The figure shows the representative diagram of **hierarchical** arrangement of different types of business **documents**.

pp; 99 DwgNo 4/17

Title Terms: NAVIGATION; SOFTWARE; INTERFACE; SYSTEM; DISPLAY; INFORMATION; CONTAIN; REPRESENT; BUSINESS; **DOCUMENT** ; **ASSOCIATE** ; SELECT; **DOCUMENT** ; INSTANCE; NODE

Derwent Class: T01; T04

International Patent Class (Main): G06F-003/14

File Segment: EPI

12/5/30 (Item 30 from file: 350)
DIALOG(R) File 350:Derwent WPIX
(c) 2005 Thomson Derwent. All rts. reserv.

013023531 **Image available**

WPI Acc No: 2000-195382/200017

XRPX Acc No: N00-144528

Resource and project management system for the development of graphical images for packaging, creates database structures that can store meta data without requiring the presence of a file or image

Patent Assignee: SCHAWK INC (SCHA-N)

Inventor: BRAUN W H; BRUCE M; KAUFMAN S B; LAMBERT R; MILLER B; ZIEGLER R; ZEIGLER R

Number of Countries: 087 Number of Patents: 007

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200007125	A1	20000210	WO 99US17335	A	19990730	200017 B
AU 9953291	A	20000221	AU 9953291	A	19990730	200029
BR 9913349	A	20010515	BR 9913349	A	19990730	200130
			WO 99US17335	A	19990730	
EP 1101174	A1	20010523	EP 99938908	A	19990730	200130
			WO 99US17335	A	19990730	
CN 1334940	A	20020206	CN 99809960	A	19990730	200231
JP 2002521768	W	20020716	WO 99US17335	A	19990730	200261
			JP 2000562847	A	19990730	
MX 2001001195	A1	20030701	WO 99US17335	A	19990730	200420
			MX 20011195	A	20010131	

Priority Applications (No Type Date): US 9894912 P 19980731

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200007125 A1 E 125 G06F-017/30

Designated States (National): AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SL SZ UG ZW

AU 9953291 A G06F-017/30 Based on patent WO 200007125

BR 9913349 A G06F-017/30 Based on patent WO 200007125

EP 1101174 A1 E G06F-017/30 Based on patent WO 200007125

Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

CN 1334940 A G06F-017/30

JP 2002521768 W 165 G06F-017/60 Based on patent WO 200007125

MX 2001001195 A1 G06F-017/30 Based on patent WO 200007125

Abstract (Basic): WO 200007125 A1

NOVELTY - Computer code in server (15) stores user data **hierarchically** such that instead of placing all the data (images, attributes, event lists) into a single large database, it is organized and stored in a **tree** -like structure. Preferably, there are actually two simultaneous data **hierarchies**, a brand **hierarchy** and a project **hierarchy**, providing an organization to the user (16) and the SQL database engine (17) which mimics the **relationships** found in a standard business cycle.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

(a) a system for resource and **project management**;

(b) a method for resource and **project management**.

USE - For keeping track of and managing projects in the development of graphic images for product packaging within the pre-press industry. The system also provides for managing assets used in the development of graphic images for product packaging.

ADVANTAGE - The **hierarchical** structure provides an efficient method for organizing the data but also mimics the **relationships**

found in the standard business cycle. The computer code resides on a communications server and so is easily updated when product enhancements are created, eliminating the need to update software on each computer which runs the system. Due to high level availability of the client software, the system can be operated from a computer almost anywhere in the world without installing special software, as long as the communications server is located on a wide area network such as the Internet.

DESCRIPTION OF DRAWING(S) - The figure is a functional block diagram of a system suitable for the management software.

Communications server (15)

Client computer (16)

SQL database engine (17)

pp; 125 DwgNo 1/80

Title Terms: RESOURCE; PROJECT; MANAGEMENT; SYSTEM; DEVELOP; GRAPHICAL;
IMAGE; PACKAGE; DATABASE; STRUCTURE; CAN; STORAGE; META; DATA; REQUIRE;
PRESENCE; FILE; IMAGE

Derwent Class: T01

International Patent Class (Main): G06F-017/30; G06F-017/60

International Patent Class (Additional): G06F-012/00

File Segment: EPI

12/5/35 (Item 35 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2005 Thomson Derwent. All rts. reserv.

010812178 **Image available**
WPI Acc No: 1996-309131/199631
XRPX Acc No: N96-259832

Computer system for task management - comprises task manager for maintaining hierarchical list of tasks for individual, with device for sharing tasks and subtasks with external entities and-or other task managers

Patent Assignee: HEWLETT-PACKARD CO (HEWP)
Inventor: DIAMANT J R; THUNQUEST G L
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5530861	A	19960625	US 91749779	A	19910826	199631 B
			US 94258915	A	19940613	
			US 94345874	A	19941128	

Priority Applications (No Type Date): US 91749779 A 19910826; US 94258915 A 19940613; US 94345874 A 19941128

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5530861	A		21	G06F-009/46	Cont of application US 91749779 Cont of application US 94258915

Abstract (Basic): US 5530861 A

A computer system for managing task, comprises a task database for storing and organizing the tasks, each task having a **hierarchy** of subtasks for modelling a human process where the tasks have task information. A device defines and creates instances of task classes, where each of the tasks belongs to one of the task classes, and where each of the task classes have **associated** pre-defined automatic actions and optional manual actions. A task manager, coupled to the task database, maintains a **hierarchical** list of the tasks for an individual.

The task manager comprises a user interface for interfacing with the tasks, and a device for enabling a user via the user interface to manually select one of the tasks to process. A device enables a computer to automatically selected one of the tasks to process. A device performs the automatic actions corresponding to the manually or automatically selected task via the computer. The automatic actions are invoked automatically by the task manager at specific times. A device enables the user to select one of the optional manual actions corresponding to the manually or automatically selected task. The user can select one of the optional manual actions at any time while the task manager processes the manually or automatically selected task. A device performs the optional manual action selected by the user via the computer. A device enables user interaction with the manually or automatically selected task via the computer. A device automatically updates the task information based on the processing of the task via the computer. A device shares the tasks and the subtasks with external entities and/or other task managers via the computer. The sharing device comprises a device for transferring structured electronic mail messages to users and non-users of the task manager via the computer.

ADVANTAGE - Task manager provides personal organisation, **project management** and process automation capabilities.

Dwg.2a/5

Title Terms: COMPUTER; SYSTEM; TASK; MANAGEMENT; COMPRISE; TASK; MANAGE; MAINTAIN; **HIERARCHY** ; LIST; TASK; INDIVIDUAL; DEVICE; SHARE; TASK; EXTERNAL; ENTITY; TASK

Derwent Class: T01

International Patent Class (Main): G06F-009/46

File Segment: EPI

12/5/37 (Item 37 from file: 350)
DIALOG(R) File 350:Derwent WPIX
(c) 2005 Thomson Derwent. All rts. reserv.

009755412 **Image available**
WPI Acc No: 1994-035263/199404
XRPX Acc No: N94-027394

**Multi computer operation for planning systems - has planning operation
arranged in tree like structure of multiple ranks and sets of
computers explode the plan for the same rank concurrently**

Patent Assignee: MASPAR COMPUTER CORP (MASP-N)
Inventor: BLANK W T; BROWN J S; HOLT M W
Number of Countries: 019 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9401826	A1	19940120	WO 93US6027	A	19930623	199404 B
AU 9345439	A	19940131	AU 9345439	A	19930623	199422

Priority Applications (No Type Date): US 92908310 A 19920701
Cited Patents: 3.Jnl.Ref
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 9401826	A1	E	68	G06F-015/22	
Designated States (National): AU CA JP					
Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE					
AU 9345439	A			G06F-015/22	Based on patent WO 9401826

Abstract (Basic): WO 9401826 A

The planning system utilises a number of computers to perform planning in parallel. The planning problem, such as **MRP** systems, are sub-divided on a **tree** basis such as the bill-of-material. The orders for material at the lowest **rank** (310) at exploded first using multiple computer for separate requirements. Since material on one level does not generate orders on the same level the process is independent.

The process is repeated for each level in turn with separate computers being able to process in parallel.

USE/ADVANTAGE - Provides faster execution of the planning process in **MRP** systems, Just-in-Time manufacturing, Airline booking systems and simulations.

Dwg.3/17

Title Terms: MULTI; COMPUTER; OPERATE; PLAN; SYSTEM; PLAN; OPERATE; ARRANGE
; **TREE** ; STRUCTURE; MULTIPLE; **RANK** ; SET; COMPUTER; EXPLOSIVE; PLAN;
RANK ; CONCURRENT

Derwent Class: T01

International Patent Class (Main): G06F-015/22

File Segment: EPI

12/5/46 (Item 46 from file: 347)
DIALOG(R) File 347:JAPIO
(c) 2005 JPO & JAPIO. All rts. reserv.

03493604 **Image available**
PRODUCTION CONTROL SYSTEM

PUB. NO.: 03-156504 [JP 3156504 A]
PUBLISHED: July 04, 1991 (19910704)
INVENTOR(s): FUKUMIZU TAKESHI
APPLICANT(s): NEC CORP [000423] (A Japanese Company or Corporation), JP
(Japan)
APPL. NO.: 01-297014 [JP 89297014]
FILED: November 14, 1989 (19891114)
INTL CLASS: [5] G05B-015/02; B23Q-041/08; G06F-015/46
JAPIO CLASS: 22.3 (MACHINERY -- Control & Regulation); 25.2 (MACHINE TOOLS
-- Cutting & Grinding); 45.4 (INFORMATION PROCESSING --
Computer Applications)
JOURNAL: Section: P, Section No. 1259, Vol. 15, No. 391, Pg. 103,
October 03, 1991 (19911003)

ABSTRACT

PURPOSE: To output excess and shortage information of materials in a short time in accordance with the disturbance like demand variation, design change, or production delay by using a process parts list simplified to two **hierarchies** and limiting the time range of calculation of a required quantity of materials.

CONSTITUTION: A required quantity of materials is calculated in a host **MRP** 5 based on a reference production plan 1 of an independent demand article, an overall constituting parts table 2 indicating the constitution of its all materials, ordering information 3 consisting of past orders and orders predetermined in future, and stock information 4 of materials. Ordering information 3 is changed at any time in accordance with the disturbance like demand variation or production delay, and the overall constituting parts list 2 is changed at any time in accordance with the design change, and process parts lists 6 and 7 in two **hierarchies** which indicate relations between master and **slave** materials in each process are generated by the parts list 2. The required quantity of materials is calculated in the time range, which is limited to a required read time in accordance with the disturbance, in accordance with parts lists 6 and 7 and information 3 and 4 in a cycle shorter than the required quantity plan calculating means 5 by a lower-order **MRP** 8 to output excess and shortage information of materials.

Set	Items	Description
S1	3769	ERP OR ENTERPRISE()RESOURCE OR OPERATIONS()MANAGEMENT OR C-PM OR SCM OR DRP OR MRP OR MPS OR PROJECT()MANAGEMENT?
S2	250296	HIERARCH? OR TIER? OR MULTILEVEL? OR MULTILAYER? OR TREE OR BTREE OR TREES OR (PLURAL OR MULTIPLE OR PLURALITY OR MULTIPLICITY OR VARIUOS OR DIFFERENT OR MULTI) (N) (LAYER OR LAYERS OR LEVEL OR LEVELS)
S3	4281157	CONNECTING OR CONNECTS OR CONNECTED OR LINK OR ASSOCIAT? OR RELATIONSHIP? OR CONNECTION? OR INTERLINK? OR HYPERLINK? OR -LINKS OR LINKING OR LINKED
S4	755900	SUBORDINAT? OR SLAVE? OR ORDINAT? OR BELOW? OR DOMINANT? OR PARENT? OR CHILD? OR GRANDPARENT? OR RANKING? OR RANKED OR RANKS OR RANK
S5	349631	ALERT? OR WARN? OR ALARM? OR NOTIFICAT? OR PING OR PINGS OR INFORMS OR NOTIFY? OR NOTIFIES OR TRIGGER?
S6	985924	DOCUMENT? OR EDOCUMENT? OR MESSAG? OR PUBLICATION? OR TEXT OR PAGE OR PAGES OR WEBPAGE? OR WEBSITE?
S7	1014068	SCORE? OR SCORING OR WEIGH? OR RANK OR RANKING OR RATES OR RATING? OR RELEVANC? OR IMPORT? OR PRIORIT?
S8	4	S1 AND S6 AND S7 AND S4
S9	2	S1 AND S6 AND S7 AND S5
S10	5	S1 AND S7 AND S5
S11	30	S1(5N)S7
S12	396	S1 AND S7
S13	94	S12 AND S4:S6
S14	94	S8 OR S9 OR S10 OR S13
S15	29	S14 AND IC=(G06F OR H04L)
S16	19	S15 NOT AD=19981022:20011022
S17	7	S16 NOT AD=20011022:20040922
S18	7	S17 NOT AD=20040922:20050930

File 347:JAPIO Nov 1976-2005/Apr(Updated 050801)
(c) 2005 JPO & JAPIO

File 350:Derwent WPIX 1963-2005/UD,UM &UP=200560
(c) 2005 Thomson Derwent

18/5/5 (Item 1 from file: 350)
DIALOG(R) File 350:Derwent WPIX
(c) 2005 Thomson Derwent. All rts. reserv.

012466007 **Image available**
WPI Acc No: 1999-272115/199923
XRPX Acc No: N99-203680

Project management system used in e.g. system development, program development - provides operator reply unit for each client so that client can answer work request of project control server when work request from project control server is acceptable

Patent Assignee: NEC CORP (NIDE)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 11085866	A	19990330	JP 97267903	A	19970912	199923 B

Priority Applications (No Type Date): JP 97267903 A 19970912

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 11085866	A	21	G06F-017/60	

Abstract (Basic): JP 11085866 A

NOVELTY - The **project management** system (1) consists of a project control server (10) and clients (20-1-20-n) provided for several operators. Each client has an operator reply unit (22) that answers the work request of the project control server when the work request from the project control server is acceptable. DETAILED DESCRIPTION - The project control server considers several work performance items when assigning an operator. An input unit enters the basic operator allocation data for each work performance item. The work performance of each work performance item by an operator is determined based on the input basic operator allocation data. The work performance of the operators are **prioritized** and **ranked**, in which the operator with excellent work performance has the highest **priority** level. An operator allocation control unit (14) **ranks** the work performance of the operators and the work requests until the operator who accepts a work request appears. An INDEPENDENT CLAIM is included for a machine-readable recording medium which stores the **project management** program.

USE - Used in e.g. system development, program development.

ADVANTAGE - Automatically assigns operator intended by management to perform a work request due to **ranking** of work requests and client operators. Automatically changes program period of a work that must be performed when an operator who postpones a work completion expected data appears. DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of the **project management** system. (1) **Project management** system; (10) Project control server; (14) Operator allocation control unit; (20-1-20-n) Client.

Dwg.1/14

Title Terms: PROJECT; MANAGEMENT; SYSTEM; SYSTEM; DEVELOP; PROGRAM; DEVELOP
; OPERATE; REPLY; UNIT; CLIENT; SO; CLIENT; CAN; ANSWER; WORK; REQUEST;
PROJECT; CONTROL; SERVE; WORK; REQUEST; PROJECT; CONTROL; SERVE; ACCEPT

Derwent Class: T01

International Patent Class (Main): G06F-017/60

File Segment: EPI

18/5/7 (Item 3 from file: 350)
DIALOG(R) File 350: Derwent WPIX
(c) 2005 Thomson Derwent. All rts. reserv.

009755412 **Image available**
WPI Acc No: 1994-035263/199404
XRPX Acc No: N94-027394

Multi computer operation for planning systems - has planning operation arranged in tree like structure of multiple ranks and sets of computers explode the plan for the same rank concurrently
Patent Assignee: MASPAR COMPUTER CORP (MASP-N)
Inventor: BLANK W T; BROWN J S; HOLT M W
Number of Countries: 019 Number of Patents: 002
Patent Family:
Patent No Kind Date Applicat No Kind Date Week
WO 9401826 A1 19940120 WO 93US6027 A 19930623 199404 B
AU 9345439 A 19940131 AU 9345439 A 19930623 199422

Priority Applications (No Type Date): US 92908310 A 19920701

Cited Patents: 3.Jnl.Ref

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 9401826	A1	E	68	G06F-015/22	
Designated States (National): AU CA JP					
Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE					
AU 9345439	A			G06F-015/22	Based on patent WO 9401826

Abstract (Basic): WO 9401826 A

The planning system utilises a number of computers to perform planning in parallel. The planning problem, such as MRP systems, are sub-divided on a tree basis such as the bill-of-material. The orders for material at the lowest rank (310) at exploded first using multiple computer for separate requirements. Since material on one level does not generate orders on the same level the process is independent.

The process is repeated for each level in turn with separate computers being able to process in parallel.

USE/ADVANTAGE - Provides faster execution of the planning process in MRP systems, Just-in-Time manufacturing, Airline booking systems and simulations.

Dwg.3/17

Title Terms: MULTI; COMPUTER; OPERATE; PLAN; SYSTEM; PLAN; OPERATE; ARRANGE ; TREE; STRUCTURE; MULTIPLE; RANK ; SET; COMPUTER; EXPLOSIVE; PLAN; RANK ; CONCURRENT

Derwent Class: T01

International Patent Class (Main): G06F-015/22

File Segment: EPI

Set	Items	Description
S1	27883	ERP OR ENTERPRISE()RESOURCE OR OPERATIONS()MANAGEMENT OR C-PM OR SCM OR DRP OR MRP OR MPS OR PROJECT()MANAGEMENT?
S2	244756	HIERARCH? OR TIER? OR MULTILEVEL? OR MULTILAYER? OR TREE OR BTREE OR TREES OR (PLURAL OR MULTIPLE OR PLURALITY OR MULTIP-LICITY OR VARIUOS OR DIFFERENT OR MULTI) (N) (LAYER OR LAYERS OR LEVEL OR LEVELS)
S3	1475708	CONNECTING OR CONNECTS OR CONNECTED OR LINK OR ASSOCIAT? OR RELATIONSHIP? OR CONNECTION? OR INTERLINK? OR HYPERLINK? OR -LINKS OR LINKING OR LINKED
S4	1025856	SUBORDINAT? OR SLAVE? OR ORDINAT? OR BELOW? OR DOMINANT? OR PARENT? OR CHILD? OR GRANDPARENT? OR RANKING? OR RANKED OR R-ANKS OR RANK
S5	251026	ALERT? OR WARN? OR ALARM? OR NOTIFICAT? OR PING OR PINGS OR INFORMS OR NOTIFY? OR NOTIFIES OR TRIGGER?
S6	1438414	DOCUMENT? OR EDOCUMENT? OR MESSAG? OR PUBLICATION? OR TEXT OR PAGE OR PAGES OR WEBPAGE? OR WEBSITE?
S7	1237512	SCORE? OR SCORING OR WEIGH? OR RANK OR RANKING OR RATES OR RATING? OR RELEVANC? OR IMPORT? OR PRIORIT?
S8	48	S1(10N)S2(10N)S3
S9	6	S1(10N)S3(10N) (S2 OR S4) (10N)S5
S10	28	S1(10N)S3(10N) (S2 OR S4) (10N)S7
S11	887	S1(10N)S7
S12	8	S5(10N)S11
S13	72	S8:S10 OR S12
S14	58	S13 AND IC=(G06F OR H04L)
S15	37	S14 NOT AD=19981022:20011022
S16	8	S15 NOT AD=20011022:20041022
S17	8	S16 NOT AD=20041022:20051001
S18	325	S1(3N)S7
S19	91	S18 AND IC=(G06F OR H04L)
S20	37	S19 NOT AD=19981022:20011022
S21	11	S20 NOT AD=20011022:20041022
S22	11	S21 NOT AD=20041022:20050922
S23	19	S22 OR S17
S24	19	IDPAT (sorted in duplicate/non-duplicate order)
S25	18	IDPAT (primary/non-duplicate records only)

File 348:EUROPEAN PATENTS 1978-2005/Sep W02
(c) 2005 European Patent Office

File 349:PCT FULLTEXT 1979-2005/UB=20050915,UT=20050908
(c) 2005 WIPO/Univentio

25/3,K/10 (Item 10 from file: 348)
DIALOG(R) File 348:EUROPEAN PATENTS
(c) 2005 European Patent Office. All rts. reserv.

00324388

Automated interface to project management tool
Automatisierte Schnittstelle für Projektleitungswerkzeug
Interface a un outil de gestion de projet

PATENT ASSIGNEE:

International Business Machines Corporation, (200120), Old Orchard Road,
Armonk, N.Y. 10504, (US), (applicant designated states: DE;FR;GB;IT)

INVENTOR:

Ferriter, Kate M., 4299 Brookview Drive, Atlanta, GA 30339, (US)

Mathis, Robert B., 3321 River Heights Crossing, Marietta, GA 30067, (US)

LEGAL REPRESENTATIVE:

Tubiana, Max (18842), Compagnie IBM France Departement de Propriete
Intellectuelle, 06610 La Gaude, (FR)

PATENT (CC, No, Kind, Date): EP 314596 A2 890503 (Basic)
EP 314596 A3 910116
EP 314596 B1 970423

APPLICATION (CC, No, Date): EP 88480035 880913;

PRIORITY (CC, No, Date): US 115073 871028

DESIGNATED STATES: DE; FR; GB; IT

INTERNATIONAL PATENT CLASS: G06F-017/20 ; G06F-017/60 ; G06F-017/21

ABSTRACT WORD COUNT: 179

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF1	507
CLAIMS B	(English)	EPAB97	313
CLAIMS B	(German)	EPAB97	280
CLAIMS B	(French)	EPAB97	377
SPEC A	(English)	EPABF1	7759
SPEC B	(English)	EPAB97	7925
Total word count - document A			8266
Total word count - document B			8895
Total word count - documents A + B			17161

INTERNATIONAL PATENT CLASS: G06F-017/20 ...

... G06F-017/60 ...

... G06F-017/21

...ABSTRACT then formatted in a file of the project management tool. The formatted file is then **imported** into the **project management** tool. In addition, data modified by the project management tool can later be reformatted for...

...CLAIMS and captured in said database;
formatting the ordered selected items in a file of said **project management** tool; and
importing the formatted file into said project management tool.

2. The method for the automatic interfacing...

...project management tool as recited in claim 1 further comprising the steps of :

executing said **project management** tool with said **imported** formatted file;

generating a modified project data file during the execution of said project management...

25/3,K/12 (Item 12 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2005 WIPO/Univentio. All rts. reserv.

00415575 **Image available**

**METHOD AND APPARATUS FOR ALLOWING DISTRIBUTED CONTROL OF SHARED RESOURCES
PROCEDE ET APPAREIL PERMETTANT LA GESTION REPARTIE DE RESSOURCES COMMUNES**

Patent Applicant/Assignee:

TRANSOFT CORPORATION,
WOLFF James J,
LATHROP David,

Inventor(s):

WOLFF James J,
LATHROP David,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9806036 A1 19980212
Application: WO 97US12843 19970801 (PCT/WO US9712843)
Priority Application: US 9623218 19960802

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH HU
IL IS JP KE KG KP KR KZ LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT
RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW GH KE LS MW SD
SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH DE DK ES FI FR GB GR IE IT
LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 24802

Main International Patent Class: G06F-013/00

International Patent Class: G06F-15:16

Fulltext Availability:

Claims

Claim

... the plurality of clients operate on said project management folder in a peer to peer relationship .

41 The distributed project management system of Claim 39, wherein the selected ones of the plurality of clients operate on said project management file in a hierarchical relationship .

85

. A method for managing a project on a network attached to a plurality of...in claim 48, wherein

the selected ones of the plurality of clients operate on the project management folder in a hierarchical relationship .

88

25/3,K/13 (Item 13 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2005 WIPO/Univentio. All rts. reserv.

00385865 **Image available**

AUTHORING AND PUBLISHING SYSTEM FOR INTERACTIVE MULTIMEDIA COMPUTER APPLICATIONS

SYSTEME DE MEDIATISATION ET DE PUBLICATION POUR DES APPLICATIONS ORDINATEUR MULTIMEDIAS INTERACTIVES

Patent Applicant/Assignee:

VICOM MULTIMEDIA INC,
LIGHTHEART Michael A,
HENDERSON Scott R,
DURNFORD James Donald,
HEUPEL Johannes,
REDDY Praveen,

Inventor(s):

LIGHTHEART Michael A,
HENDERSON Scott R,
DURNFORD James Donald,
HEUPEL Johannes,
REDDY Praveen,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9726608 A1 19970724

Application: WO 97CA39 19970120 (PCT/WO CA9700039)

Priority Application: US 9610214 19960118; US 96597087 19960205

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE HU IL
IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT
RO RU SD SE SG SI SK TJ TM TR TT UA UG US UZ VN KE LS MW SD SZ UG AM AZ
BY KG KZ MD RU TJ TM AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE
BF BJ CF CG CI CM GA GN ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 20401

Main International Patent Class: **G06F-017/30**

Fulltext Availability:

Detailed Description

Detailed Description

... database 126.

The operation of input system 122 is controlled by project management system 130. **Project management** system 130 **prioritizes** pending information capture tasks, identifies which one(s) of workstations 255 are equipped with the...

25/3,K/16 (Item 16 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2005 WIPO/Univentio. All rts. reserv.

00268225

METHOD OF ENTERPRISE-WIDE TO DO LIST SCHEDULING

METHODE DE PLANIFICATION DE LISTES D'INSTRUCTIONS DE RESEAU D'ENTREPRISE

Patent Applicant/Assignee:

TIMEPHASER CORPORATION,

Inventor(s):

ENGELMAN Henry,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9416397 A2 19940721

Application: WO 94US303 19940105 (PCT/WO US9400303)

Priority Application: US 9369 19930106

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

CA JP AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE

Publication Language: English

Fulltext Word Count: 8351

Main International Patent Class: **G06F-015/40**

International Patent Class: **G06F-15:22**

Fulltext Availability:

Detailed Description

Detailed Description

... plurality of Data

Dates, The inventive method maintains the integrity of the Early Start date **CPM** calculations with respect to the various types of task precedence **relationships** and also with respect to various special restraints on task scheduling. (This modified **CPM** algorithm is described **below** in more detail in the next subsection).

In Step 7. the relevant task data files are updated with the newly calculated **CPM** schedule information (i.e., early and late start and finish dates, floats, and **priorities**).

Steps 5 through 7 occur periodically and usually at pre-determined intervals, such as at...

...each Work Item is initially set to zero (Block 1035). The first WI-PWI precedence **relationship** (i.e., where the WI has the lowest **rank** of all WI's having a WI-PWI **relationship**) is then retrieved (Block 1040), The main loop of the modified forward pass step of the inventive **CPM** network analysis algorithm starts with Block 1050. If the current WI is the same as the WI of the previous WI-PWI, **relationship** (Block 1050), then program control jumps to Block 1090, If the current WI is a...